

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

?b 411

```
03sep04 13:14:21 User228206 Session D2224.1
$0.00      0.198 DialUnits FileHomeBase
$0.00 Estimated cost FileHomeBase
$0.00 Estimated cost this search
$0.00 Estimated total session cost    0.198 DialUnits
```

File 411:DIALINDEX(R)

DIALINDEX(R)

(c) 2004 The Dialog Corporation

*** DIALINDEX search results display in an abbreviated ***
*** format unless you enter the SET DETAIL ON command. ***

?sf allscience

You have 287 files in your file list.

(To see banners, use SHOW FILES command)

?s flagel? (5n) campylobac?

Your SELECT statement is:

s flagel? (5n) campylobac?

Items	File
-----	-----
182	5: Biosis Previews(R)_1969-2004/Aug W4
34	6: NTIS_1964-2004/Aug W4
3	8: Ei Compendex(R)_1970-2004/Aug W4
14	10: AGRICOLA_70-2004/Jun
1	16: Gale Group PROMT(R)_1990-2004/Sep 03
132	34: SciSearch(R) Cited Ref Sci_1990-2004/Aug W5
8	35: Dissertation Abs Online_1861-2004/Aug
34	50: CAB Abstracts_1972-2004/Aug
48	51: Food Sci.&Tech.Abs_1969-2004/Sep W1
8	53: FOODLINE(R): Science Sight_1972-2004/Sep 01
4	65: Inside Conferences_1993-2004/Aug W5
49	71: ELSEVIER BIOBASE_1994-2004/Aug W4
113	73: EMBASE_1974-2004/Aug W5
5	94: JICST-EPlus_1985-2004/Aug W1
29	98: General Sci Abs/Full-Text_1984-2004/Jul
2	99: Wilson Appl. Sci & Tech Abs_1983-2004/Jul
Examined 50 files	
1	129: PHIND(Archival)_1980-2004/Aug W4
26	143: Biol. & Agric. Index_1983-2004/Jul
108	144: Pascal_1973-2004/Aug W4
2	148: Gale Group Trade & Industry DB_1976-2004/Sep 03
4	149: TGG Health&Wellness DB(SM)_1976-2004/Aug W2
151	155: MEDLINE(R)_1951-2004/Aug W5
19	156: ToxFile_1965-2004/Aug W5
18	162: Global Health_1983-2004/Jul
2	180: Federal Register_1985-2004/Sep 03
Examined 100 files	
4	203: AGRIS_1974-2004/Jul
3	266: FEDRIP_2004/Jun
2	285: BioBusiness(R)_1985-1998/Aug W1
2	292: GEOBASE(TM)_1980-2004/Aug B2
10	340: CLAIMS(R)/US Patent_1950-04/Sep 02
4	342: Derwent Patents Citation Indx_1978-04/200454
Examined 150 files	
3	345: Inpadoc/Fam.& Legal Stat_1968-2004/UD=200436
5	348: EUROPEAN PATENTS_1978-2004/Aug W05
16	349: PCT FULLTEXT_1979-2002/UB=20040826,UT=20040819
16	357: Derwent Biotech Res._1982-2004/Sep W1
3	388: PEDS: Defense Program Summaries_1999/May

121 398: Chemsearch_1957-2004/Jul
 156 399: CA SEARCH(R)_1967-2004/UD=14110
 1 429: Adis Newsletters(Archive)_1982-2004/Sep 03
 26 434: SciSearch(R) Cited Ref Sci_1974-1989/Dec
 175 440: Current Contents Search(R)_1990-2004/Sep 03
 2 444: New England Journal of Med._1985-2004/Aug W5
 13 484: Periodical Abs Plustext_1986-2004/Aug W4
 Examined 200 files
 1 624: McGraw-Hill Publications_1985-2004/Sep 02
 3 636: Gale Group Newsletter DB(TM)_1987-2004/Sep 03
 31 654: US Pat.Full._1976-2004/Sep 02
 Examined 250 files

46 files have one or more items; file list includes 287 files.

?save temp
 Temp SearchSave "TD853" stored
 ?rf
 Your last SELECT statement was:
 S FLAGEL? (5N) CAMPYLOBAC?

Ref	Items	File
N1	182	5: Biosis Previews(R)_1969-2004/Aug W4
N2	175	440: Current Contents Search(R)_1990-2004/Sep 03
N3	156	399: CA SEARCH(R)_1967-2004/UD=14110
N4	151	155: MEDLINE(R)_1951-2004/Aug W5
N5	132	34: SciSearch(R) Cited Ref Sci_1990-2004/Aug W5
N6	121	398: Chemsearch_1957-2004/Jul
N7	113	73: EMBASE_1974-2004/Aug W5
N8	108	144: Pascal_1973-2004/Aug W4
N9	49	71: ELSEVIER BIOBASE_1994-2004/Aug W4
N10	48	51: Food Sci.&Tech.Abs_1969-2004/Sep W1

46 files have one or more items; file list includes 287 files.

- Enter P or PAGE for more -

?p
 Your last SELECT statement was:
 S FLAGEL? (5N) CAMPYLOBAC?

Ref	Items	File
N11	34	6: NTIS_1964-2004/Aug W4
N12	34	50: CAB Abstracts_1972-2004/Aug
N13	31	654: US Pat.Full._1976-2004/Sep 02
N14	29	98: General Sci Abs/Full-Text_1984-2004/Jul
N15	26	143: Biol. & Agric. Index_1983-2004/Jul
N16	26	434: SciSearch(R) Cited Ref Sci_1974-1989/Dec
N17	19	156: ToxFile_1965-2004/Aug W5
N18	18	162: Global Health_1983-2004/Jul
N19	16	349: PCT FULLTEXT_1979-2002/UB=20040826,UT=20040819
N20	16	357: Derwent Biotech Res._1982-2004/Sep W1

46 files have one or more items; file list includes 287 files.

- Enter P or PAGE for more -

?p
 Your last SELECT statement was:
 S FLAGEL? (5N) CAMPYLOBAC?

Ref	Items	File
N21	14	10: AGRICOLA_70-2004/Jun
N22	13	484: Periodical Abs Plustext_1986-2004/Aug W4
N23	10	340: CLAIMS(R)/US Patent_1950-04/Sep 02
N24	8	35: Dissertation Abs Online_1861-2004/Aug
N25	8	53: FOODLINE(R): Science Sight_1972-2004/Sep 01
N26	5	94: JICST-EPlus_1985-2004/Aug W1

N27 5 348: EUROPEAN PATENTS_1978-2004/Aug W05
 N28 4 65: Inside Conferences_1993-2004/Aug W5
 N29 4 149: TGG Health&Wellness DB(SM)_1976-2004/Aug W2
 N30 4 203: AGRIS_1974-2004/Jul

46 files have one or more items; file list includes 287 files.

- Enter P or PAGE for more -

?p

Your last SELECT statement was:

S FLAGEL? (5N) CAMPYLOBAC?

Ref	Items	File
N31	4	342: Derwent Patents Citation Indx_1978-04/200454
N32	3	8: Ei Compendex(R)_1970-2004/Aug W4
N33	3	266: FEDRIP_2004/Jul
N34	3	345: Inpadoc/Fam. & Legal Stat_1968-2004/UD=200436
N35	3	388: PEDS: Defense Program Summaries_1999/May
N36	3	636: Gale Group Newsletter DB(TM)_1987-2004/Sep 03
N37	2	99: Wilson Appl. Sci & Tech Abs_1983-2004/Jul
N38	2	148: Gale Group Trade & Industry DB_1976-2004/Sep 03
N39	2	180: Federal Register_1985-2004/Sep 03
N40	2	285: BioBusiness(R)_1985-1998/Aug W1

46 files have one or more items; file list includes 287 files.

- Enter P or PAGE for more -

?p

Your last SELECT statement was:

S FLAGEL? (5N) CAMPYLOBAC?

Ref	Items	File
N41	2	292: GEOBASE(TM)_1980-2004/Aug B2
N42	2	444: New England Journal of Med._1985-2004/Aug W5
N43	1	16: Gale Group PROMT(R)_1990-2004/Sep 03
N44	1	129: PHIND(Archival)_1980-2004/Aug W4
N45	1	429: Adis Newsletters(Archive)_1982-2004/Sep 03
N46	1	624: McGraw-Hill Publications_1985-2004/Sep 02
N47	0	2: INSPEC_1969-2004/Aug W4
N48	0	9: Business & Industry(R)_Jul/1994-2004/Sep 02
N49	0	15: ABI/Inform(R)_1971-2004/Sep 03
N50	0	18: Gale Group F&S Index(R)_1988-2004/Sep 03

46 files have one or more items; file list includes 287 files.

- Enter P or PAGE for more -

?p

Your last SELECT statement was:

S FLAGEL? (5N) CAMPYLOBAC?

Ref	Items	File
N51	0	19: Chem.Industry Notes_1974-2004/ISS 200435
N52	0	20: Dialog Global Reporter_1997-2004/Sep 03
N53	0	25: Weldasearch_1966-2003/Dec
N54	0	29: Meteor.& Geoastro.Abs._1970-2002/Jul
N55	0	31: World Surface Coatings Abs_1976-2004/Jul
N56	0	36: MetalBase_1965-2004/Aug
N57	0	40: Enviroline(R)_1975-2004/Jul
N58	0	42: Pharmaceutical News Idx_1974-2004/Aug W5
N59	0	47: Gale Group Magazine DB(TM)_1959-2004/Sep 03
N60	0	48: SPORTDiscus_1962-2004/Aug

46 files have one or more items; file list includes 287 files.

- Enter P or PAGE for more -

?b n4 n1 n7 n3 n12 n13 n15 n19 n21 n23 n24 n26 n27 n28 n30 n31 n43 n42;exs
 03sep04 13:17:32 User228206 Session D2224.2
 \$3.70 1.642 DialUnits File411

\$3.70 Estimated cost File411
\$0.99 TELNET
\$4.69 Estimated cost this search
\$4.69 Estimated total session cost 1.841 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1951-2004/Aug W5

(c) format only 2004 The Dialog Corp.

***File 155: Medline has been reloaded. Accession numbers**
have changed. Please see HELP NEWS 154 for details.

File 5:Biosis Previews(R) 1969-2004/Aug W4

(c) 2004 BIOSIS

File 73:EMBASE 1974-2004/Aug W5

(c) 2004 Elsevier Science B.V.

File 399:CA SEARCH(R) 1967-2004/UD=14110

(c) 2004 American Chemical Society

***File 399: Use is subject to the terms of your user/customer agreement.**
Alert feature enhanced for multiple files, etc. See HELP ALERT.

File 50:CAB Abstracts 1972-2004/Aug

(c) 2004 CAB International

File 654:US Pat.Full. 1976-2004/Sep 02

(c) Format only 2004 The Dialog Corp.

File 143:Biol. & Agric. Index 1983-2004/Jul

(c) 2004 The HW Wilson Co

File 349:PCT FULLTEXT 1979-2002/UB=20040826,UT=20040819

(c) 2004 WIPO/Univentio

File 10:AGRICOLA 70-2004/Jun

(c) format only 2004 The Dialog Corporation

File 340:CLAIMS(R)/US Patent 1950-04/Sep 02

(c) 2004 IFI/CLAIMS(R)

***File 340: For information about the annual reload, see HELP NEWS 340.**

File 35:Dissertation Abs Online 1861-2004/Aug

(c) 2004 ProQuest Info&Learning

File 94:JICST-EPlus 1985-2004/Aug W1

(c)2004 Japan Science and Tech Corp(JST)

File 348:EUROPEAN PATENTS 1978-2004/Aug W05

(c) 2004 European Patent Office

File 65:Inside Conferences 1993-2004/Aug W5

(c) 2004 BLDSC all rts. reserv.

File 203:AGRIS 1974-2004/Jul

Dist by NAL, Intl Copr. All rights reserved

File 342:Derwent Patents Citation Indx 1978-04/200454

(c) 2004 Thomson Derwent

File 16:Gale Group PROMT(R) 1990-2004/Sep 03

(c) 2004 The Gale Group

***File 16: Alert feature enhanced for multiple files, duplicate**
removal, customized scheduling. See HELP ALERT.

File 444:New England Journal of Med. 1985-2004/Aug W5

(c) 2004 Mass. Med. Soc.

Set	Items	Description
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Executing TD853

>>>SET HILIGHT: use ON, OFF, or 1-5 characters

128672 FLAGEL?

50494 CAMPYLOBAC?

S1 766 FLAGEL? (5N) CAMPYLOBAC?

?rd

>>>Duplicate detection is not supported for File 654.

>>>Duplicate detection is not supported for File 349.

>>>Duplicate detection is not supported for File 340.

>>>Duplicate detection is not supported for File 348.

>>>Duplicate detection is not supported for File 342.

>>>Records from unsupported files will be retained in the RD set.

...examined 50 records (50)

...examined 50 records (100)
 ...examined 50 records (150)
 ...examined 50 records (200)
 ...examined 50 records (250)
 ...examined 50 records (300)
 ...examined 50 records (350)
 ...examined 50 records (400)
 ...examined 50 records (450)
 ...examined 50 records (500)
 ...examined 50 records (550)
 ...examined 50 records (600)
 ...examined 50 records (650)
 ...examined 50 records (700)
 ...examined 50 records (750)
 ...completed examining records
 S2 387 RD (unique items)

?s s2/1998:2004

Processing

Processed 10 of 18 files ...

Processing

Completed processing all files

 387 S2
 34410653 PY=1998 : PY=2004

 S3 163 S2/1998:2004

?s s2 not s3

 387 S2
 163 S3
 S4 224 S2 NOT S3

?s s4 and (vector? or plasmid? or recombin? or salmonell? or shigell?)

Processing

Processed 10 of 18 files ...

Completed processing all files

 224 S4
 1001220 VECTOR?
 505172 PLASMID?
 1202019 RECOMBIN?
 267111 SALMONELL?
 51598 SHIGELL?
 S5 54 S4 AND (VECTOR? OR PLASMID? OR RECOMBIN? OR SALMONELL?
 OR SHIGELL?)

?e guillain-barre

Ref	Items	RT	Index-term
E1	1		GUILLAIN-BARR SYNDROME
E2	1		GUILLAIN-BARR SYNDROME GUILLAIN-BARRE SYNDROME
E3	7		*GUILLAIN-BARRE
E4	3		GUILLAIN-BARRE DISEASE
E5	1		GUILLAIN-BARRE OVERLAP SYNDROME
E6	1		GUILLAIN-BARRE PARALYSIS
E7	2		GUILLAIN-BARRE POLYNEUROPATHY
E8	1		GUILLAIN-BARRE POLYRADICULITIS
E9	1		GUILLAIN-BARRE POLYRADICULONEURITIS
E10	1		GUILLAIN-BARRE POLYRADICULOPATHY
E11	3627	19	GUILLAIN-BARRE SYNDROME
E12	46		GUILLAIN-BARRE SYNDROME --BLOOD --BL

Enter P or PAGE for more

?p

Ref	Items	Index-term
E13	33	GUILLAIN-BARRE SYNDROME --CEREBROSPINAL FLUID
E14	19	GUILLAIN-BARRE SYNDROME --CHEMICALLY INDUCED -
E15	26	GUILLAIN-BARRE SYNDROME --CLASSIFICATION --CL
E16	154	GUILLAIN-BARRE SYNDROME --COMPLICATIONS --CO
E17	1	GUILLAIN-BARRE SYNDROME --CONGENITAL --CN
E18	264	GUILLAIN-BARRE SYNDROME --DIAGNOSIS --DI
E19	100	GUILLAIN-BARRE SYNDROME --DRUG THERAPY --DT

E20	3	GUILLAIN-BARRE SYNDROME --ECONOMICS --EC
E21	6	GUILLAIN-BARRE SYNDROME --ENZYMOLGY --EN
E22	62	GUILLAIN-BARRE SYNDROME --EPIDEMIOLOGY --EP
E23	1	GUILLAIN-BARRE SYNDROME --ETHNOLOGY --EH
E24	140	GUILLAIN-BARRE SYNDROME --ETIOLOGY --ET

Enter P or PAGE for more

?p

Ref	Items	Index-term
E25	16	GUILLAIN-BARRE SYNDROME --GENETICS --GE
E26	6	GUILLAIN-BARRE SYNDROME --HISTORY --HI
E27	230	GUILLAIN-BARRE SYNDROME --IMMUNOLOGY --IM
E28	24	GUILLAIN-BARRE SYNDROME --METABOLISM --ME
E29	55	GUILLAIN-BARRE SYNDROME --MICROBIOLOGY --MI
E30	6	GUILLAIN-BARRE SYNDROME --MORTALITY --MO
E31	11	GUILLAIN-BARRE SYNDROME --NURSING --NU
E32	3	GUILLAIN-BARRE SYNDROME --PARASITOLOGY --PS
E33	84	GUILLAIN-BARRE SYNDROME --PATHOLOGY --PA
E34	176	GUILLAIN-BARRE SYNDROME --PHYSIOPATHOLOGY --PP
E35	2	GUILLAIN-BARRE SYNDROME --PREVENTION AND CONTR
E36	14	GUILLAIN-BARRE SYNDROME --PSYCHOLOGY --PX

Enter P or PAGE for more

?p

Ref	Items	Index-term
E37	1	GUILLAIN-BARRE SYNDROME --RADIONUCLIDE IMAGING
E38	16	GUILLAIN-BARRE SYNDROME --REHABILITATION --RH
E39	3	GUILLAIN-BARRE SYNDROME --SURGERY --SU
E40	194	GUILLAIN-BARRE SYNDROME --THERAPY --TH
E41	1	GUILLAIN-BARRE SYNDROME --URINE --UR
E42	23	GUILLAIN-BARRE SYNDROME --VIROLOGY --VI
E43	5	GUILLAIN-BARRE SYNDROME ACUTE INFLAMMATORY DEM
E44	1	GUILLAIN-BARRE SYNDROME ACUTE POLYRADICULONEUR
E45	1	GUILLAIN-BARRE SYNDROME ANIMAL MODEL
E46	5	GUILLAIN-BARRE SYNDROME ASSOCIATION
E47	1	GUILLAIN-BARRE SYNDROME B CELL
E48	1	GUILLAIN-BARRE SYNDROME CEREBROSPINAL FLUID-IN

Enter P or PAGE for more

?p

Ref	Items	Index-term
E49	1	GUILLAIN-BARRE SYNDROME CHRONIC INFLAMMATORY D
E50	1	GUILLAIN-BARRE SYNDROME CYTOTOXIC ACTIVITY

?s e1-e50

1	GUILLAIN-BARR SYNDROME
1	GUILLAIN-BARR SYNDROME GUILLAIN-BARRE SYNDROME
7	GUILLAIN-BARRE
3	GUILLAIN-BARRE DISEASE
1	GUILLAIN-BARRE OVERLAP SYNDROME
1	GUILLAIN-BARRE PARALYSIS
2	GUILLAIN-BARRE POLYNEUROPATHY
1	GUILLAIN-BARRE POLYRADICULITIS
1	GUILLAIN-BARRE POLYRADICULONEURITIS
1	GUILLAIN-BARRE POLYRADICULOPATHY
3627	GUILLAIN-BARRE SYNDROME
46	GUILLAIN-BARRE SYNDROME --BLOOD --BL
33	GUILLAIN-BARRE SYNDROME --CEREBROSPINAL FLUID
19	GUILLAIN-BARRE SYNDROME --CHEMICALLY INDUCED -
26	GUILLAIN-BARRE SYNDROME --CLASSIFICATION --CL
154	GUILLAIN-BARRE SYNDROME --COMPLICATIONS --CO
1	GUILLAIN-BARRE SYNDROME --CONGENITAL --CN
264	GUILLAIN-BARRE SYNDROME --DIAGNOSIS --DI
100	GUILLAIN-BARRE SYNDROME --DRUG THERAPY --DT
3	GUILLAIN-BARRE SYNDROME --ECONOMICS --EC

6	GUILLAIN-BARRE SYNDROME	--ENZYMOLGY	--EN
62	GUILLAIN-BARRE SYNDROME	--EPIDEMIOLOGY	--EP
1	GUILLAIN-BARRE SYNDROME	--ETHNOLOGY	--EH
140	GUILLAIN-BARRE SYNDROME	--ETIOLOGY	--ET
16	GUILLAIN-BARRE SYNDROME	--GENETICS	--GE
6	GUILLAIN-BARRE SYNDROME	--HISTORY	--HI
230	GUILLAIN-BARRE SYNDROME	--IMMUNOLOGY	--IM
24	GUILLAIN-BARRE SYNDROME	--METABOLISM	--ME
55	GUILLAIN-BARRE SYNDROME	--MICROBIOLOGY	--MI
6	GUILLAIN-BARRE SYNDROME	--MORTALITY	--MO
11	GUILLAIN-BARRE SYNDROME	--NURSING	--NU
3	GUILLAIN-BARRE SYNDROME	--PARASITOLOGY	--PS
84	GUILLAIN-BARRE SYNDROME	--PATHOLOGY	--PA
176	GUILLAIN-BARRE SYNDROME	--PHYSIOPATHOLOGY	--PP
2	GUILLAIN-BARRE SYNDROME	--PREVENTION AND CONTR	
14	GUILLAIN-BARRE SYNDROME	--PSYCHOLOGY	--PX
1	GUILLAIN-BARRE SYNDROME	--RADIONUCLIDE IMAGING	
16	GUILLAIN-BARRE SYNDROME	--REHABILITATION	--RH
3	GUILLAIN-BARRE SYNDROME	--SURGERY	--SU
194	GUILLAIN-BARRE SYNDROME	--THERAPY	--TH
1	GUILLAIN-BARRE SYNDROME	--URINE	--UR
23	GUILLAIN-BARRE SYNDROME	--VIROLOGY	--VI
5	GUILLAIN-BARRE SYNDROME	ACUTE INFLAMMATORY DEM	
1	GUILLAIN-BARRE SYNDROME	ACUTE POLYRADICULONEUR	
1	GUILLAIN-BARRE SYNDROME	ANIMAL MODEL	
5	GUILLAIN-BARRE SYNDROME	ASSOCIATION	
1	GUILLAIN-BARRE SYNDROME	B CELL	
1	GUILLAIN-BARRE SYNDROME	CEREBROSPINAL FLUID-IN	
1	GUILLAIN-BARRE SYNDROME	CHRONIC INFLAMMATORY D	
1	GUILLAIN-BARRE SYNDROME	CYTOTOXIC ACTIVITY	

S6 3657 E1-E50

?e ell

Ref	Items	Type	RT	Index-term
R1	2187		19	*GUILLAIN-BARRE SYNDROME
R2	4870	U	29	GUILLAIN BARRE SYNDROME
R3	7843	U	13	NERVOUS SYSTEM,DISEASE
R4	126	U		NERVOUS SYSTEM,DISEASE, GUILLAIN-BARRE SYNDROM
R5	2994	B	5	NEURITIS
R6	21594	B	11	PARALYTIC DISEASE
R7	885	X		DC=C10.114.750.100.
R8	885	X		DC=C10.314.750.450.
R9	885	X		DC=C10.668.829.350.
R10	885	X		DC=C10.668.829.800.750.300.
R11	885	X		DC=C20.111.258.750.400.
R12	0	X	1	ACUTE AUTOIMMUNE NEUROPATHY

Enter P or PAGE for more

?p

Ref	Items	Type	RT	Index-term
R13	0	X	1	ACUTE INFLAMMATORY DEMYELINATING POLYRADICULON
R14	0	X	1	ACUTE INFLAMMATORY POLYNEUROPATHY
R15	82	X	1	AIDP
R16	0	X	1	LANDRY-GUILLAIN-BARRE SYNDROME
R17	0	X	1	POLYRADICULONEUROPATHY, ACUTE INFLAMMATORY
R18	13769	B	58	PERIPHERAL NERVOUS SYSTEM DISEASES
R19	3879	B	19	POLYRADICULONEUROPATHY
R20	203	N	14	MILLER FISHER SYNDROME

?p

>>>Related terms display completed...

?s r1:r20

>>>One or more prefixes are unsupported

>>> or undefined in one or more files.

S7 54648 R1:R20

?ds

Set	Items	Description
S1	766	FLAGEL? (5N) CAMPYLOBAC?
S2	387	RD (unique items)
S3	163	S2/1998:2004
S4	224	S2 NOT S3
S5	54	S4 AND (VECTOR? OR PLASMID? OR RECOMBIN? OR SALMONELL? OR SHIGELL?)
S6	3657	E1-E50
S7	54648	R1:R20
?s (s6 or s7) and s2		
	3657	S6
	54648	S7
	387	S2
S8	8	(S6 OR S7) AND S2
?s (s6 or s7) and s4		
	3657	S6
	54648	S7
	224	S4
S9	1	(S6 OR S7) AND S4
?t s9/9/all		

9/9/1 (Item 1 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

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13702257 PMID: 9396694

Nonlipopolysaccharide surface antigens of Campylobacter species.

Guerry P

Enteric Diseases Program, Naval Medical Research Institute, Rockville, Maryland 20852, USA.

Journal of infectious diseases (UNITED STATES) Dec 1997, 176 Suppl 2 pS122-4, ISSN 0022-1899 Journal Code: 0413675

Document type: Journal Article; Review; Review, Tutorial

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Subfile: AIM; INDEX MEDICUS

Among the protein antigens of **Campylobacter** species, **flagellin**, the subunit of the flagellar filament, is the best characterized. The motility imparted by this locomotory organelle is absolutely essential for **Campylobacter** organisms to colonize the gastrointestinal tract and to cause diarrheal disease. Flagellin is the immunodominant protein recognized during infection and has been suggested to be involved in the protective immune response. **Campylobacter flagellins** are glycosylated, which is an unusual posttranslational modification for prokaryotic proteins. Although the chemical structure of the glycosylated moiety is undetermined, the posttranslational modification includes sialic acid. The association of glycosylated flagellin with development of Guillain-Barre syndrome remains speculative, but the possibility of molecular mimicry between glycosylated flagellin and eukaryotic glycoproteins exists. (31 Refs.)

Tags: Support, U.S. Gov't, Non-P.H.S.

Descriptors: Antigens, Bacterial--immunology--IM; * **Campylobacter** --immunology--IM; * **Campylobacter** --metabolism--ME; * **Flagellin** --immunology--IM; * **Flagellin** --metabolism--ME; Antigens, Surface --immunology--IM; Bacterial Outer Membrane Proteins--immunology--IM; **Campylobacter** --chemistry--CH; Fimbriae Proteins; **Flagella** --chemistry --CH; Flagella--immunology--IM; Flagella--physiology--PH; Glycosylation; Membrane Glycoproteins--immunology--IM; Molecular Mimicry; N-Acetylneuraminic Acid--metabolism--ME; **Polyradiculoneuropathy** --metabolism--ME; **Polyradiculoneuropathy** --microbiology--MI; Porins--immunology--IM; Protein Processing, Post-Translational

CAS Registry No.: 0 (Antigens, Bacterial); 0 (Antigens, Surface); 0 (Bacterial Outer Membrane Proteins); 0 (Membrane Glycoproteins); 0 (Porins); 12777-81-0 (Flagellin); 131-48-6 (N-Acetylneuraminic Acid); 147680-16-8 (Fimbriae Proteins)

Record Date Created: 19980115

Record Date Completed: 19980115

?ds

Set	Items	Description
S1	766	FLAGEL? (5N) CAMPYLOBAC?
S2	387	RD (unique items)
S3	163	S2/1998:2004
S4	224	S2 NOT S3
S5	54	S4 AND (VECTOR? OR PLASMID? OR RECOMBIN? OR SALMONELL? OR SHIGELL?)
S6	3657	E1-E50
S7	54648	R1:R20
S8	8	(S6 OR S7) AND S2
S9	1	(S6 OR S7) AND S4

?t s8/6/all

8/6/1 (Item 1 from file: 155)
13702257 PMID: 9396694

Nonlipopolysaccharide surface antigens of *Campylobacter* species.
Dec 1997

8/6/2 (Item 2 from file: 155)
12348493 PMID: 12718055

[*Campylobacter* (*jejuni*/*coli*)]
Mar 2003

8/6/3 (Item 3 from file: 155)
11429257 PMID: 11526174

Sequence typing confirms that *Campylobacter jejuni* strains associated with Guillain-Barre and Miller-Fisher syndromes are of diverse genetic lineage, serotype, and flagella type.
Sep 2001

8/6/4 (Item 4 from file: 155)
11170890 PMID: 11158146

Flagella as a potential marker for *Campylobacter jejuni* strains associated with Guillain-Barre syndrome.
Feb 2001

8/6/5 (Item 5 from file: 155)
10554147 PMID: 10655404

Genetic characterization of *Campylobacter jejuni* O:41 isolates in relation with Guillain-Barre syndrome.
Feb 2000

8/6/6 (Item 6 from file: 155)
10505000 PMID: 10603661

Detection of antibodies against *Campylobacter jejuni* serogroup PEN O:19 purified flagellar protein in a patient with Guillain-Barre syndrome.
Oct 1999

8/6/7 (Item 1 from file: 5)
0013692084 BIOSIS NO.: 200200285595

Campylobacter DNA is present in circulating myelomonocytic cells of healthy persons and in persons with Guillain-Barre syndrome
2002

8/6/8 (Item 1 from file: 399)

DIALOG(R) File 399:(c) 2004 American Chemical Society. All rts. reserv.

Comparison of *Campylobacter jejuni* isolates implicated in Guillain-Barre

syndrome and strains that cause enteritis by a DNA microarray

?logoff hold

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03sep04 13:23:17 User228206 Session D2224.3
$2.08      0.650 DialUnits File155
$0.00      6 Type(s) in Format 6
$0.21      1 Type(s) in Format 9
$0.21      7 Types
$2.29 Estimated cost File155
$3.75      0.670 DialUnits File5
$0.00      1 Type(s) in Format 6
$0.00      1 Types
$3.75 Estimated cost File5
$5.07      0.518 DialUnits File73
$5.07 Estimated cost File73
$10.42     0.830 DialUnits File399
$0.55      1 Type(s) in Format 6
$0.55      1 Types
$10.97 Estimated cost File399
$0.93      0.208 DialUnits File50
$0.93 Estimated cost File50
$4.00      0.678 DialUnits File654
$4.00 Estimated cost File654
$0.35      0.148 DialUnits File143
$0.35 Estimated cost File143
$2.02      0.425 DialUnits File349
$2.02 Estimated cost File349
$0.39      0.145 DialUnits File10
$0.39 Estimated cost File10
$7.09      0.450 DialUnits File340
$7.09 Estimated cost File340
$0.39      0.095 DialUnits File35
$0.39 Estimated cost File35
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$1.83      0.403 DialUnits File348
$1.83 Estimated cost File348
$1.44      0.385 DialUnits File65
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$0.25 Estimated cost File203
$8.91      0.543 DialUnits File342
$8.91 Estimated cost File342
$2.07      0.383 DialUnits File16
$2.07 Estimated cost File16
$0.25      0.053 DialUnits File444
$0.25 Estimated cost File444
OneSearch, 18 files, 6.871 DialUnits FileOS
$1.50 TELNET
$54.14 Estimated cost this search
$58.83 Estimated total session cost 8.712 DialUnits
```

Status: Signed Off. (9 minutes)

Status: Path 1 of [Dialog Information Services via Modem]

Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 31060000009998...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

***** HHHHHHHH SSSSSSSS?

Status: Signing onto Dialog

ENTER PASSWORD:

***** HHHHHHHH SSSSSSSS? *****

Welcome to DIALOG
Status: Connected

Dialog level 04.12.02D

Reconnected in file OS 03sep04 13:25:14
* * * *

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1951-2004/Aug W5
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*File 155: Medline has been reloaded. Accession numbers
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File 5:Biosis Previews(R) 1969-2004/Aug W4
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*File 340: For information about the annual reload, see HELP NEWS 340.
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File 16:Gale Group PROMT(R) 1990-2004/Sep 03
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removal, customized scheduling. See HELP ALERT.
File 444:New England Journal of Med. 1985-2004/Aug W5
(c) 2004 Mass. Med. Soc.

Set Items Description

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Cost is in DialUnits
?ds

Set	Items	Description
S1	766	FLAGEL? (5N) CAMPYLOBAC?
S2	387	RD (unique items)
S3	163	S2/1998:2004
S4	224	S2 NOT S3
S5	54	S4 AND (VECTOR? OR PLASMID? OR RECOMBIN? OR SALMONELL? OR SHIGELL?)
S6	3657	E1-E50

S7 54648 R1:R20
S8 8 (S6 OR S7) AND S2
S9 1 (S6 OR S7) AND S4
?target s5/all
Your TARGET search request will retrieve up to 50 of the statistically most
relevant records.
Searching ALL records
...Processed 10 out of 18 files
...Processing Complete
 S10 50 TARGET - S5
Ending TARGET search. Enter TARGET to do another search in the present
file(s), or BEGIN new file(s). Enter LOGOFF to disconnect from Dialog
?t s10/6,kwic/all
>>>KWIC option is not available in file(s): 399

10/6,KWIC/1 (Item 1 from file: 654)
DIALOG(R)File 654:(c) Format only 2004 The

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File 444:New England Journal of Med. 1985-2004/Aug W5

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Set Items Description

Cost is in DialUnits

?ds

Set	Items	Description
S1	766	FLAGEL? (5N) CAMPYLOBAC?
S2	387	RD (unique items)
S3	163	S2/1998:2004
S4	224	S2 NOT S3
S5	54	S4 AND (VECTOR? OR PLASMID? OR RECOMBIN? OR SALMONELL? OR SHIGELL?)
S6	3657	E1-E50
S7	54648	R1:R20
S8	8	(S6 OR S7) AND S2
S9	1	(S6 OR S7) AND S4
S10	50	TARGET - S5

?t s10/9/10

10/9/10 (Item 10 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01466256 ORDER NO: AADAA-IMM02076

CONSTRUCTION OF A SALMONELLA TYPHIMURIUM STRAIN EXPRESSING THE CAMPYLOBACTER JEJUNI FLAA GENE

Author: DUMITRU, IOANA

Degree: M.SC.

Year: 1995

Corporate Source/Institution: UNIVERSITY OF TORONTO (CANADA) (0779)

Adviser: ANDREW BOGNAR

Source: VOLUME 34/02 of MASTERS ABSTRACTS.

PAGE 660. 114 PAGES

Descriptors: BIOLOGY, MICROBIOLOGY ; BIOLOGY, GENETICS

Descriptor Codes: 0410; 0369

ISBN: 0-315-02076-2

This study describes the construction of a recombinant strain of *Salmonella typhimurium* that expresses from its chromosome the fusion protein between glutathione S-transferase (as a stabilizing protein) and the *Campylobacter jejuni* ATCC 43431 flagellin subunit A.

To obtain this strain we utilized a chromosomal integration procedure based on a system developed by Dr. Hone at the University of Maryland. The principle of this system consists in the use of a His^s *Salmonella* strain (J706) Δ hisOG that becomes His^r upon replacement of the hisOG deletion by the complete hisOG region and the foreign gene from a plasmid. When the recipient cells also possess a recD mutation, the carrier plasmid (a ColE1-like plasmid) is rapidly lost, allowing for selection of integrants in a single step, based on his prototrophy.

A recD *Salmonella* mutant was obtained by transducing the recD mutant allele from *E. coli* strain DPB271.

The *C. jejuni* flagellin A monomer encoded by the flaA gene was chosen for expression in *Salmonella* cells. A GST-FlaA fusion protein was successfully expressed in both *E. coli* and *Salmonella* cells from plasmid pGEXF5x upon IPTG induction. The 82-kDa fusion protein detected on SDS-PAGE also reacted with both anti-*Campylobacter* serum and anti-GST antibodies in Western immunoblot experiments.

The final recombinant strain was obtained by transduction of the his::GST-flaA into the *S. typhimurium* attenuated strain J706. (Abstract shortened by UMI.)

?t s9/9/1

9/9/1 (Item 1 from file: 155)
DIALOG(R) File 155:MEDLINE(R)
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13702257 PMID: 9396694

Nonlipopolysaccharide surface antigens of Campylobacter species.

Guerry P

Enteric Diseases Program, Naval Medical Research Institute, Rockville,
Maryland 20852, USA.

Journal of infectious diseases (UNITED STATES) Dec 1997, 176 Suppl 2
pS122-4, ISSN 0022-1899 Journal Code: 0413675

Document type: Journal Article; Review; Review, Tutorial

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Subfile: AIM; INDEX MEDICUS

Among the protein antigens of **Campylobacter** species, **flagellin**, the subunit of the flagellar filament, is the best characterized. The motility imparted by this locomotory organelle is absolutely essential for **Campylobacter** organisms to colonize the gastrointestinal tract and to cause diarrheal disease. Flagellin is the immunodominant protein recognized during infection and has been suggested to be involved in the protective immune response. **Campylobacter flagellins** are glycosylated, which is an unusual posttranslational modification for prokaryotic proteins. Although the chemical structure of the glycosylated moiety is undetermined, the posttranslational modification includes sialic acid. The association of glycosylated flagellin with development of Guillain-Barre syndrome remains speculative, but the possibility of molecular mimicry between glycosylated flagellin and eukaryotic glycoproteins exists. (31 Refs.)

Tags: Support, U.S. Gov't, Non-P.H.S.

Descriptors: Antigens, Bacterial--immunology--IM; * **Campylobacter**
--immunology--IM; * **Campylobacter** --metabolism--ME; * **Flagellin**
--immunology--IM; * **Flagellin** --metabolism--ME; Antigens, Surface
--immunology--IM; Bacterial Outer Membrane Proteins--immunology--IM;
Campylobacter --chemistry--CH; Fimbriae Proteins; **Flagella** --chemistry
--CH; **Flagella**--immunology--IM; **Flagella**--physiology--PH; Glycosylation;
Membrane Glycoproteins--immunology--IM; Molecular Mimicry; N-Acetylneuraminic
Acid--metabolism--ME; **Polyradiculoneuropathy** --metabolism--ME;
Polyradiculoneuropathy --microbiology--MI; Porins--immunology--IM; Protein
Processing, Post-Translational

CAS Registry No.: 0 (Antigens, Bacterial); 0 (Antigens, Surface); 0
(Bacterial Outer Membrane Proteins); 0 (Membrane Glycoproteins); 0
(Porins); 12777-81-0 (Flagellin); 131-48-6 (N-Acetylneuraminic Acid);
147680-16-8 (Fimbriae Proteins)

Record Date Created: 19980115

Record Date Completed: 19980115

?logoff hold

0010165319 BIOSIS NO.: 199698633152

A genetic hybrid of the *Campylobacter jejuni* flaA gene with LT-B of *Escherichia coli* and assessment of the efficacy of the hybrid protein as an oral chicken vaccine

AUTHOR: Khoury C A; Meinersmann R J (Reprint)

AUTHOR ADDRESS: USDA, Agric. Res. Serv., Russell Res. Cent., P.O. Box 5677, Athens, GA 30604-5677, USA**USA

JOURNAL: Avian Diseases 39 (4): p812-820 1995 1995

ISSN: 0005-2086

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: The objectives of this study were to produce *Campylobacter jejuni* **flagellin** fused to the B-subunit of the labile toxin (LT-B) of *Escherichia coli* and to assess the efficacy of the hybrid protein as a chicken vaccine. Part of the flaA gene (780 base pairs) was cloned in **plasmid** pBEB downstream and in frame with the LT-B to allow expression of a hybrid protein. Transformed *E. coli* X6097 expressed the hybrid protein (43 kdaltons) in inclusion bodies at mid log phase. The inclusion bodies were isolated, and the identity of the protein was verified by western blot. This hybrid protein was administered as a vaccine to chickens either orally (0, 250, 500, or 1000 µg total protein) or intramuscularly (250 or 1000 µg). Alimentary secretions were collected, and specific antibodies were assayed by western blot analyses. Seventy-two percent of the birds vaccinated orally with 1000 µg protein showed detectable antibodies against *C. jejuni* flagellin in the excreta. None of the control birds produced detectable antibody to this antigen. For trials to demonstrate clearance of *Campylobacter*, groups of chickens were vaccinated with the hybrid protein at 2 and 4 wk of age and challenged at 3 wk with an excess of *C. jejuni*. The number of birds that remained colonized at 5 wk of age was significantly lower among the vaccinated birds than among controls.

DESCRIPTORS:

MAJOR CONCEPTS: Animal Husbandry--Agriculture; Genetics; Immune System--Chemical Coordination and Homeostasis; Infection; Pharmacology; Veterinary Medicine--Medical Sciences

BIOSYSTEMATIC NAMES: Aerobic Helical or Vibrioid Gram-Negatives--Eubacteria, Bacteria, Microorganisms; Enterobacteriaceae--Facultatively Anaerobic Gram-Negative Rods, Eubacteria, Bacteria, Microorganisms; Galliformes--Aves, Vertebrata, Chordata, Animalia

ORGANISMS: aerobic helical or vibrioid gram-negative bacteria (Aerobic Helical or Vibrioid Gram-Negatives); *Campylobacter jejuni* (Aerobic Helical or Vibrioid Gram-Negatives); *Escherichia coli* (Enterobacteriaceae); Galliformes (Galliformes)

COMMON TAXONOMIC TERMS: Bacteria; Eubacteria; Microorganisms; Animals; Birds; Chordates; Nonhuman Vertebrates; Vertebrates

MISCELLANEOUS TERMS: ANTIBACTERIAL-DRUG; EFFICACY; FLAGELLIN; POULTRY MANAGEMENT

CONCEPT CODES:

08610359 BIOSIS NO.: 199345041340

Plasmid **for the direct subcloning from lambda gt11 to produce a LT-B fusion protein: Use with the flagellin gene of Campylobacter jejuni**

AUTHOR: Khoury C A (Reprint); Meinersmann R J

AUTHOR ADDRESS: Univ. Ga., Athens, GA, USA**USA

JOURNAL: Abstracts of the General Meeting of the American Society for Microbiology 93 (0): p198 1993

CONFERENCE/MEETING: 93rd General Meeting of the American Society for Microbiology Atlanta, Georgia, USA May 16-20, 1993; 19930516

ISSN: 1060-2011

DOCUMENT TYPE: Meeting

RECORD TYPE: Citation

LANGUAGE: English

DESCRIPTORS:

MAJOR CONCEPTS: Biochemistry and Molecular Biophysics; Genetics; Methods and Techniques; Molecular Genetics--Biochemistry and Molecular Biophysics; Physiology

BIOSYSTEMATIC NAMES: Aerobic Helical or Vibrioid Gram-Negatives--Eubacteria, Bacteria, Microorganisms

ORGANISMS: aerobic helical or vibrioid gram-negative bacteria (Aerobic Helical or Vibrioid Gram-Negatives); Campylobacter jejuni (Aerobic Helical or Vibrioid Gram-Negatives)

COMMON TAXONOMIC TERMS: Bacteria; Eubacteria; Microorganisms

CHEMICALS & BIOCHEMICALS: GT11

MISCELLANEOUS TERMS: ABSTRACT; GENETIC ENGINEERING; SYNTHETIC METHOD; VACCINE POTENTIAL

CONCEPT CODES:

00520 General biology - Symposia, transa